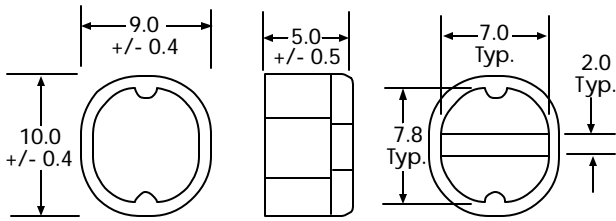


SMD Shielded Power Inductors LC105S



CHARACTERISTICS

INDUCTANCE RANGE 1 μH to 68 μH .

TOLERANCE 10% over entire range.

CURRENT RATING Current to cause maximum 10% of inductance drop, or 40°C temperature rise.

OPERATING TEMPERATURE -30°C to +100°C.

FEATURES

- High current rating
- Low core loss for high frequency power application

APPLICATIONS

- DC/DC Converters
- Computers
- Telecommunications equipment
- Filters
- LCD display

PART NUMBER	L $\pm 20\%$ μH	TEST FREQUENCY (MHz)	SELF RESONANT FREQUENCY TYPICAL (MHz)	DC RESISTANCE MAXIMUM (OHMS)	RATED DC CURRENT MAXIMUM (AMPS)
LC105S-100M	10	2.5	31.0	0.06	2.53
LC105S-120M	12	2.5	27.0	0.06	2.31
LC105S-150M	15	2.5	27.0	0.07	2.06
LC105S-180M	18	2.5	26.0	0.08	1.89
LC105S-220M	22	2.5	21.0	0.09	1.71
LC105S-270M	27	2.5	18.0	0.11	1.54
LC105S-330M	33	2.5	16.0	0.12	1.39
LC105S-390M	39	2.5	15.0	0.16	1.28
LC105S-470M	47	2.5	14.0	0.18	1.17
LC105S-560M	56	2.5	12.0	0.19	1.07
LC105S-680M	68	2.5	11.0	0.22	0.97
LC105S-820M	82	2.5	10.0	0.28	0.88
		TEST FREQUENCY (kHz)			
LC105S-101M	100	1.0	7.0	0.35	0.80
LC105S-121M	120	1.0	6.5	0.38	0.73
LC105S-151M	150	1.0	5.8	0.45	0.65
LC105S-181M	180	1.0	5.3	0.62	0.60
LC105S-221M	220	1.0	5.2	0.69	0.54
LC105S-271M	270	1.0	4.6	0.78	0.49
LC105S-331M	330	1.0	4.2	1.03	0.44
LC105S-391M	390	1.0	3.6	1.18	0.41
LC105S-471M	470	1.0	3.6	1.60	0.37